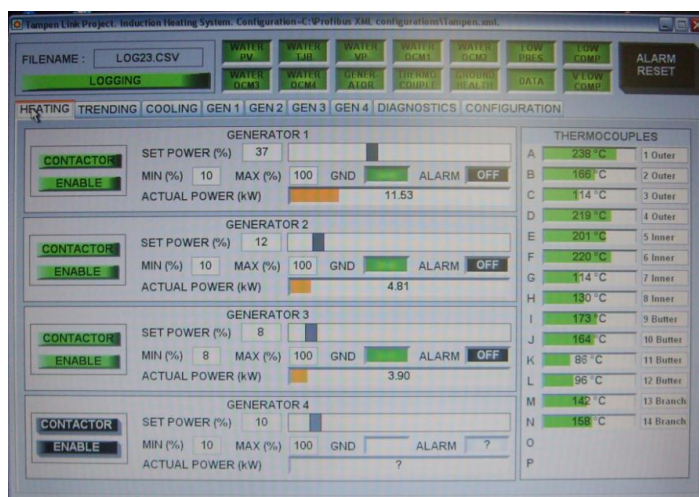




Tampen Link Pre-Heat System



Summary

- Sub sea Weld pre-heat control system.
- Used to hot tap into main gas pipeline from UK to Norway
- PSS System Part # A295-000-002

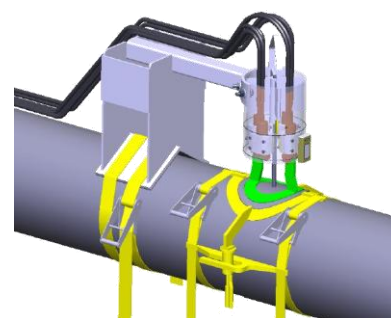
PSS supplied a system to control pre-heat coils during welding of a pipe stub onto the main gas pipeline between the UK and Norway (Tampen Link), all operations were carried out without shutting down production. Control of the sub-sea functions was provided by the lap-top running dedicated software. Control of the surface supplies and line insulation monitoring was provided by the PDP.

The system provides:

- Power for four generators (inverters), supplied by EFD, Norway
- Control of the generators
- Cooling of the generators
- Monitoring of the generators
- Cooling of inductive coils
- Cooling of OCM (output conditioning module) capacitors
- Monitoring of 16 type K thermocouples

Components supplied:

- Surface PDP (power distribution panel)
- Surface transformer
- Surface control lap-top PC
- Surface reeler and umbilical
- Sub-sea deployment skid



PSS Drawing Number A001-350-102 iss 2

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.